

Heraeus Kulzer, Inc.  
Translux® Energy  
510(K) Submission

AUG 30 2001

K012341

**Summary of Safety and Effectiveness**

**Submitter:**

Company Name: Heraeus Kulzer, Inc.

Address: 4315 South Lafayette Blvd.  
South Bend, Indiana 46614

Telephone No.: 219-299-6662

Fax No.: 219-299-6616

Date: July 19, 2001

**Name of Device**

Classification Name: Ultraviolet activator for polymerization

Proprietary Name: Translux® Energy

Common Name: Light-curing unit

**Predicate Device**

Translux EC by Kulzer [K892456]

**Description for the Premarket Notification**

Translux Energy Light Curing Unit which is classified as an Ultraviolet Activator for Polymerization (21C.F.R. § 872.607).

Translux® Energy has the same intended use and is substantially equivalent to Kulzer's already 510(K)-cleared light-curing unit Translux® EC [K892456]. The Translux® Energy is a further development of the Translux® EC light source to provide the patient and user with more comfortable handling and more favorable properties.



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

AUG 3 0 2001

Ms. Cheryl V. Zimmerman  
Manager of Quality Operations & Compliance  
Heraeus Kulzer, Incorporated  
4315 South Lafayette Boulevard  
South Bend, India 46614-2517

Re: K012341

Trade/Device Name: Translux® Energy  
Regulation Number: 872.6070  
Regulatory Class: II  
Product Code: EBZ  
Dated: July 20, 2001  
Received: July 24, 2001

Dear Ms. Zimmerman:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

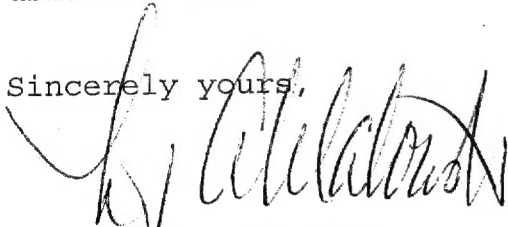
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements

concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4618. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsma/dsmamain.html>".

Sincerely yours,



Timothy A. Ulatowski  
Director  
Division of Dental, Infection Control  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

K012341

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510(k) Number (if known): K012341

**Device Name:** Translux® Energy

Indications for Use:

Activator for light-induced intraoral polymerization of resin dental pit and fissure sealant, restorative materials, bonding , or luting materials.

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

\_\_\_\_\_  
Concurrence of CDRH, Office of Device evaluation (ODE)

Prescription Use ✓  
(Per 21 CFR 801.109)

OR

Over-The-Counter Use \_\_\_\_\_

(Optional Format 1-2-96)

(Division Sign-Off) Pamela Scott for Susan Turner  
Division of Dental, Infection Control,  
and General Hospital Devices  
510(k) Number K012341